

COMMERCE BANCSHARES INC /MO/
 Form 4
 April 18, 2008

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549**

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
KEMPER DAVID W

2. Issuer Name and Ticker or Trading Symbol
COMMERCE BANCSHARES INC /MO/ [CBSH]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
1000 WALNUT ST., 7TH FLOOR
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
04/17/2008

Director 10% Owner
 Officer (give title below) Other (specify below)
Chairman of the Board, CEO

KANSAS CITY, MO 64106

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	04/17/2008		M	108,481	A \$ 29.1628	1,267,053	D
Common Stock	04/17/2008		S	592	D \$ 43.176	1,266,461	D
Common Stock	04/17/2008		S	1,657	D \$ 43.15	1,264,804	D
Common Stock	04/17/2008		S	2,000	D \$ 42.89	1,262,804	D
Common Stock	04/17/2008		S	1,000	D \$ 42.889	1,261,804	D

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Common Stock	04/17/2008	S	800	D	\$ 42.886	1,261,004	D	
Common Stock	04/17/2008	S	200	D	\$ 42.88	1,260,804	D	
Common Stock	04/17/2008	S	1,000	D	\$ 42.876	1,259,804	D	
Common Stock	04/17/2008	S	1,000	D	\$ 42.868	1,258,804	D	
Common Stock	04/17/2008	S	900	D	\$ 42.863	1,257,904	D	
Common Stock	04/17/2008	S	3,000	D	\$ 42.856	1,254,904	D	
Common Stock	04/17/2008	S	1,100	D	\$ 42.855	1,253,804	D	
Common Stock	04/17/2008	S	1,000	D	\$ 42.85	1,252,804	D	
Common Stock	04/17/2008	S	200	D	\$ 42.845	1,252,604	D	
Common Stock	04/17/2008	S	3,709	D	\$ 42.84	1,248,895	D	
Common Stock	04/17/2008	S	900	D	\$ 42.829	1,247,995	D	
Common Stock	04/17/2008	S	900	D	\$ 42.825	1,247,095	D	
Common Stock	04/17/2008	S	2,191	D	\$ 42.82	1,244,904	D	
Common Stock	04/17/2008	S	100	D	\$ 42.81	1,244,804	D	
Common Stock	04/17/2008	F	85,444	D	\$ 43.2	1,159,360	D	
Common Stock						1,639	I	Bank cust for son
Common Stock						22,030	I	CB Kemper Trust
Common Stock						11,015	I	EC Kemper Trust
Common Stock						11,016	I	EC Kemper Revoc Trst

Common Stock	7,400	I	Exec Comp Plan
Common Stock	22,034	I	JW Kemper Trust
Common Stock	1,902,409	I	James M Kemper Trust
Common Stock	46,184	I	MLK Trust-JMK issue
Common Stock	166,156	I	Tower Properties Co
Common Stock	22,019	I	WL Kemper Trust

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)				
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	A	N	SI
Non-Qualified Stock Option (right to buy)	\$ 29.1628	04/17/2008		M	108,481	03/06/2003	03/05/2013	Common Stock	1		

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other
 X Chairman of the Board, CEO

KEMPER DAVID W
1000 WALNUT ST., 7TH FLOOR
KANSAS CITY, MO 64106

Signatures

By: Jeffery Aberdeen For: David W.
Kemper

04/18/2008

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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